| Inc | dex of | Claims |  |
|-----|--------|--------|--|
|     |        |        |  |

| Application | /Control | No. |
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09/488,149

Examiner

George Y. Wang

Applicant(s)/Patent under Reexamination

SORIN ET AL.

Art Unit

2871

| <b>1</b> | Rejected |
|----------|----------|
|          | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|                 | aim      | Ι-       |           |          | _        | Dat        | _        |                |          |          | 1 [      | Cla    |           |   |          |           |          | <b>\</b> |          |          |              | $\neg$    |                                    |            |          |         | _       |   |
|-----------------|----------|----------|-----------|----------|----------|------------|----------|----------------|----------|----------|----------|--------|-----------|---|----------|-----------|----------|----------|----------|----------|--------------|-----------|------------------------------------|------------|----------|---------|---------|---|
|                 |          | -        | _         | Ŧ        | Τ'       | T          | 1        | т-             | Т        | _        | ┨╶┠      | Cla    | 11111     | $\vdash$  |          | _         |          | Date     | ;<br>    |          | _            | $\dashv$  |                                    | aim        |          |         | _       | Da  |
| Final           | Original | 7/10/02  | 11/4/02   | 4/21/03  | 8/15/03  | 8/19/05    |          |                |          |          |          | Final  | Original  |   |          |           |          |          |          |          |              |           | Final                              | Original   |          |         |         |   |
| 1               | 1        | V        | ✓         | V        | 1        | †=         | l        | t              | <u> </u> | H        |          |        | 51        | H   | $\dashv$ | $\dashv$  | ᅥ        |          |          | _        | $\dashv$     | $\dashv$  | 1                                  | 101        | $\dashv$ | +       | ╁       | ╁   |
| 2               | 2        | V        | V         | V        | V        | =          | T        | T              | T        | T        |          |        | 52        | П   | 一        |           |          |          | $\neg$   | 一        | 寸            | 7         |                                    | 102        |          | $\top$  | +       | +   |
| 3               | 3        | √        | <b>V</b>  | √        | √        | =          |          | T              |          | Γ        |          |        | 53        | П   | $\neg$   |           |          |          |          | 寸        | T            |           |                                    | 103        | $\Box$   | 十       | 十       | 十   |
| 4               | 4        | V        | <b>√</b>  | √        | √        | =          |          | L              |          |          |          |        | 54        |   |          |           |          |          |          |          |              |           |                                    | 104        |          | $\Box$  | 7       | T   |
| 5               | 5        | 0        | 0         | 0        | 0        | <u>  =</u> | <u> </u> | <u> </u>       | L        |          |          |        | 55        | Ш   |          |           |          |          |          |          |              |           |                                    | 105        |          |         |         | T   |
| 6               | 6        | 0        | 0         | 0        | 0        | =          | ļ        | <u> </u>       | L        | Ш        | L        |        | 56        | Ш   |          |           | _        |          |          | ]        |              |           |                                    | 106        |          |         | I       |   |
| 7               | 7        | 0        | 0         | 0        | 0        | =          | _        | _              |          | _        | L        |        | 57        |   | _        |           | _        |          |          |          |              | _         |                                    | 107        |          |         | Ţ       |   |
| 8               | 8        | 0        | 0         | 0        | 0        | =          | _        | ▙              | ⊢        |          |          |        | 58        | $\sqcup$  | _        | _         | 4        | _        |          | _        | _            | 4         |                                    | 108        | _        | _       | $\perp$ | $\perp$   |
| 9               | 9        | 0        | 0         | 0        | 0        | =          | ┾        | Ͱ              | <u> </u> |          | -        |        | 59        | $\vdash$  |          | $\dashv$  | 긕        |          | $\dashv$ | -        |              | 4         | ļ                                  | 109        | _        | _       | $\bot$  | +   |
| 11              | 11       | 0        | 0         | 0        | 0        | =          | -        | ⊢              | ├-       | $\vdash$ | <br> -   |        | 60        | $\vdash$  | -        | -         |          |          |          | $\dashv$ | -            | 4         | <u> </u>                           | 110        |          | +       | +       | $\bot$  |
| 12              | 12       | √<br>√   | $\sqrt{}$ | 1        | <b>√</b> | =          | ├        | -              | -        | H        | ⊢        |        | 61<br>62  | $\vdash$  |          | $\dashv$  |          | -        | $\dashv$ | $\dashv$ | -            |           | <u> </u>                           | 111        | $\vdash$ | -       | +       | $\bot$  |
| 13              | 13       | ò        | ö         | <b>√</b> | 0        | =          | ╁        | <u> </u>       | ⊢        | -        |          |        | 63        | -   | -        | -         |          | _        | $\dashv$ |          | -+           | $\dashv$  |                                    | 112<br>113 | $\dashv$ | +       | +       | +   |
| 14              | 14       | √        | √         | 1        | <b>√</b> | =          | ╁╾       | -              | $\vdash$ |          | l F      |        | 64        | $\vdash$  |          | +         |          | -        | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$  | <b>-</b>                           | 114        | +        | +       | +       | +   |
| 15              | 15       | V        | √         | V        | V        | =          | ╁        | $\vdash$       | $\vdash$ | Н        | -        |        | 65        |   | $\dashv$ | +         |          | $\dashv$ | -        | -        | $\dashv$     | $\dashv$  | -                                  | 115        | +        | -       | +       | +-  |
| 16              | 16       | ŏ        | ò         | ŏ        | ŏ        | =          | $\vdash$ | ╁              | -        | Н        | -        |        | 66        | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$     | $\dashv$  | $\vdash$                           | 116        | +        | +       | +       | +   |
| 17              | 17       | 0        | ō         | ō        | ō        | =          | <u> </u> | t              | -        | Н        |          |        | 67        |   | ┪        | $\dashv$  | $\dashv$ | $\dashv$ | -        | -        | $\dashv$     | $\dashv$  |                                    | 117        | $\dashv$ | +       | +       | ┿   |
| 18              | 18       | 0        | 0         | 0        | 0        | =          | t        | † ·            | $\vdash$ |          |          |        | 68        | $\vdash$  |          | _         | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$     | -         | 1                                  | 118        | $\dashv$ |         | +       | +   |
| 19              | 19       | 0        | 0         | 0        | 0        | Ξ          | Ħ        | Т              |          | П        | -        |        | 69        | $\vdash$  | 寸        | $\exists$ | 1        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | ၂         | <del> </del>                       | 119        | -        | +       | +       | ┿   |
| 20              | 20       | o        | 0         | 0        | 0        | =          | $\vdash$ | T              |          | П        |          |        | 70        | o   | 7        | 寸         | 寸        | ┪        | $\dashv$ | _ †      | <u> </u>     | 7         |                                    | 120        | -        | -       | +       | +   |
|                 | 21       | П        |           |          |          |            |          | Г              |          | П        | T        |        | 71        |   | 7        | 7         | 寸        | 一        | 一        | 寸        | $\top$       | ┪         |                                    | 121        | $\dashv$ | +       | ╅       | +   |
|                 | 22       |          |           |          |          |            |          |                | Г        | П        |          |        | 72        | $\neg$  | ヿ        | $\exists$ | T        | ╗        | 寸        | T        | 寸            | _         |                                    | 122        |          | $\top$  | 十       | 十   |
|                 | 23       |          |           |          |          |            |          |                |          |          |          |        | 73        |   | T        |           |          | $\neg$   | $\neg$   | $\neg$   | 寸            |           |                                    | 123        |          | $\neg$  | _       | $^{+}$  |
|                 | 24       | Ш        |           |          |          |            |          |                |          |          |          |        | 74        |   |          |           |          |          |          |          |              |           |                                    | 124        |          |         | $\top$  | T   |
|                 | 25       | Ш        |           |          |          | _          | ļ        | ᆫ              |          | Ш        | L        |        | 75        |   |          |           |          |          |          |          |              |           |                                    | 125        | [        |         |         |   |
|                 | 26       | Ш        |           |          |          | _          | _        |                |          |          | L        |        | 76        |   |          | $\perp$   |          |          |          |          |              |           |                                    | 126        |          | $\perp$ |         |   |
| <u> </u>        | 27       |          | _         |          |          |            | _        | ļ              |          |          | L        |        | 77        |   | _        |           |          |          | _        | $\perp$  | $\perp$      | _         |                                    | 127        | L        |         | $\perp$ |   |
| -               | 28       | Ш        |           |          |          | <u> </u>   | <u> </u> | _              | _        | Щ        |          |        | 78        | 4   | _        |           | _        |          | _        | 4        | 4            | _         |                                    | 128        |          | $\bot$  | $\perp$ |   |
|                 | 29       | H        | _         |          |          |            |          | $\vdash$       | _        |          | ⊢        |        | 79        | 4   | 4        |           | _        | $\dashv$ | _        | _        | 4            | _         |                                    | 129        |          | _       | $\perp$ | ↓   |
|                 | 30<br>31 | $\vdash$ |           |          |          | _          | -        | <u> </u>       |          | $\dashv$ | ⊢        |        | 80        | _   | -        | $\dashv$  | $\dashv$ | $\dashv$ |          | 4        | +            | 4         |                                    | 130        | _        |         | ╄       | $\perp$   |
|                 | 32       | -        | $\dashv$  |          |          | $\vdash$   | -        |                |          | $\dashv$ | ⊢        |        | 81<br>82  | $\dashv$  | $\dashv$ | +         | $\dashv$ | $\dashv$ | -        |          | +            | _         |                                    | 131        | -        | +       | $\perp$ | +-  |
|                 | 33       |          | $\dashv$  | -        |          | $\vdash$   | -        | -              |          | $\dashv$ | H        |        | 83        | +   | $\dashv$ | +         | $\dashv$ | $\dashv$ | -        | -        | +            | _         | $\vdash$                           | 132        |          | +       | +       | ╄   |
|                 | 34       |          | -         | $\dashv$ |          |            | -        | $\vdash$       |          | H        | H        |        | 84        | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | -        | +        | +            | -         | -                                  | 133        |          | +       | +       | +   |
|                 | 35       | $\dashv$ |           | $\dashv$ |          |            | $\vdash$ |                |          |          | ⊢        |        | 85        | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ |          | $\dashv$ | $\dashv$ | -            | -         |                                    | 135        | +        | +-      | +       | ┿   |
|                 | 36       | $\neg$   |           | $\dashv$ |          | -          |          |                | _        | $\dashv$ | -        |        | 86        | $\dashv$  | -        | $\dashv$  | +        | 一        | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$  | -                                  | 136        | -+       |         | ╁       | +   |
|                 | 37       | $\Box$   | 7         | $\neg$   |          |            |          |                |          | $\dashv$ | r        |        | 87        | +   | -+       | $\dashv$  | $\dashv$ | 十        | $\dashv$ | $\dashv$ | _            | $\dashv$  | $\vdash$                           | 137        | +        | +-      | +       | +   |
|                 | 38       |          |           |          |          |            |          |                |          |          |          |        | 88        | $\dashv$  | $\dashv$ | 十         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\top$       | $\exists$ | $\vdash$                           | 138        | $\dashv$ | +       | 十       | +   |
|                 | 39       |          |           | 1        |          |            |          |                |          |          |          | $\neg$ | 89        | 寸   | 寸        | $\top$    | 一        | 寸        | _        | $\dashv$ | $\top$       | 7         |                                    | 139        | 十        | +       | 十       | +   |
|                 | 40       |          |           |          |          |            |          |                |          |          | Γ        |        | 90        |   |          |           | T        |          | $\neg$   | T        | $\top$       | 7         |                                    | 140        | _        | $\top$  | +       | 十   |
|                 | 41       |          |           |          |          |            |          |                |          |          |          |        | 91        |   |          | $\Box$    |          |          |          |          |              |           |                                    | 141        | $\top$   | $\top$  | $\top$  | $\top$  |
| $\square$       | 42       |          | _         |          |          | Ш          |          | Ш              |          |          |          |        | 92        | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\Box$   | $\perp$   | $\Box$   | $\Box$   |          | $\Box$   | $oxed{\int}$ |           |                                    | 142        |          | J       | T       | $\top$  |
| $\vdash \vdash$ | 43       | _ ļ      | 4         | _        | _        |            |          |                |          | _        | L        |        | 93        | _[  | $\perp$  |           |          |          |          |          |              | ]         |                                    | 143        |          |         | Ι       | I   |
| $\vdash$        | 44       | _        | _         | _        | _        |            |          | Ш              |          | _        | L        |        | 94        |   | _        | _         | $\perp$  | _[       | $\Box$   | _        | $\bot$       | _         |                                    | 144        |          |         | $\perp$ |   |
| $\vdash$        | 45       | $\dashv$ |           | 4        |          | $\square$  |          |                | _        |          | L        |        | 95        | $\perp$   | 4        | $\perp$   | $\dashv$ | $\perp$  | [        |          | _            | 4         | $\sqcup$                           | 145        |          | $\perp$ |         | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |
| <del></del>     | 46       | $\dashv$ | -         |          |          | _          | $\dashv$ | -1             | 4        | _        | L        |        | 96        | _   | _        | $\dashv$  | $\perp$  |          | _        | $\perp$  | 4            | 4         | $\downarrow \downarrow \downarrow$ | 146        | _        | $\perp$ | $\perp$ |   |
|                 | 47<br>48 |          | $\dashv$  | -        | $\dashv$ | -          |          | <del>   </del> | $\dashv$ |          | $\vdash$ |        | 97        | _   | 4        | -         | $\dashv$ | _        | _        | $\dashv$ | +            | 4         | $\sqcup$                           | 147        |          |         | ┷       | $\perp$   |
| <del>-  </del>  | 49       | $\dashv$ | $\dashv$  | -        |          |            | -        |                | _        | $\dashv$ | <u> </u> |        | 98        | -   | +        | +         | $\dashv$ | -        | $\dashv$ | $\dashv$ | -            | 4         | <b>  </b>                          | 148        | $\perp$  | 4       | +       | $\perp$   |
| $\vdash$        | 50       | $\dashv$ | $\dashv$  | $\dashv$ |          | -          | $\dashv$ | -              | $\dashv$ | $\dashv$ | -        | -      | 99<br>100 | -+  | +        | +         | $\dashv$ | +        | +        | +        | +            | $\dashv$  |                                    | 149        | +        | +-      | +       | $\vdash$  |
|                 |          |          | _1        |          |          | 1          | !        |                |          |          | L        |        | 100       |   | Ш.       | 丄         |          |          | Ш.       | L        |              |           | -                                  | 150        |          | Щ.      |         | Ь.  |

| CI    | aim                             | Date     |          |          |          |          |          |          |              |           |  |  |  |  |
|-------|---------------------------------|----------|----------|----------|----------|----------|----------|----------|--------------|-----------|--|--|--|--|
| Final | Original                        |          |          |          |          |          |          |          |              |           |  |  |  |  |
|       |                                 | L        | L        | <u> </u> |          | L        |          |          | L            |           |  |  |  |  |
|       | 101                             |          | <u> </u> | ⊢        | -        | ╀        | ⊢        | <u> </u> | -            | Н         |  |  |  |  |
|       | 102<br>103                      | -        | -        | ├        | ⊢        | $\vdash$ | -        | ╁        | ┢            | $\vdash$  |  |  |  |  |
|       | 104                             | -        | H        | ╁╌       |          | ┢        | 十        | ╁        | ╁            | $\vdash$  |  |  |  |  |
|       | 105                             | T        |          | İ        |          | t        | Ħ        |          |              | Н         |  |  |  |  |
|       | 105<br>106                      |          |          |          |          |          | Ī        |          |              | П         |  |  |  |  |
|       | 107                             |          |          |          |          |          |          |          |              |           |  |  |  |  |
|       | 108<br>109                      | <u> </u> | _        | _        | L        | L        |          | _        | $oxed{oxed}$ | Ш         |  |  |  |  |
|       | 109                             | _        | _        | <u> </u> | <u> </u> | <u> </u> | _        | <u> </u> | <u> </u>     | Ш         |  |  |  |  |
|       | 110<br>111                      |          | -        | ⊢        | H        | ⊢        | -        | ├        |              |           |  |  |  |  |
|       | 112                             | -        | -        | $\vdash$ | $\vdash$ | _        | -        | ╁        |              | Н         |  |  |  |  |
|       | 113                             | $\vdash$ | ┢        |          |          | -        | -        | ╁        |              |           |  |  |  |  |
|       | 113<br>114<br>115               |          | <u> </u> | Т        |          |          | ┪        | T        |              | H         |  |  |  |  |
|       | 115                             |          |          |          |          |          |          |          | 1            | П         |  |  |  |  |
|       | 116<br>117                      |          |          |          |          | <u> </u> |          |          |              |           |  |  |  |  |
|       | 117                             |          |          | _        |          |          |          |          |              |           |  |  |  |  |
|       | 118                             |          | _        |          | _        | L.       | <u> </u> | _        |              |           |  |  |  |  |
|       | 119<br>120<br>121<br>122<br>123 |          | _        | <u> </u> | _        | <u> </u> | ╙        | _        |              | Щ         |  |  |  |  |
|       | 120                             | _        | _        | ⊢        | _        | -        | -        | <u> </u> |              | -         |  |  |  |  |
|       | 122                             |          | _        | -        | H        | ├─       | _        |          |              | $\dashv$  |  |  |  |  |
|       | 123                             |          |          | $\vdash$ |          | $\vdash$ | -        | -        |              |           |  |  |  |  |
|       | 124                             |          |          | $\vdash$ |          |          | $\vdash$ | -        |              |           |  |  |  |  |
|       | 125                             |          |          |          |          |          | $\vdash$ | T        |              |           |  |  |  |  |
|       | 124<br>125<br>126               |          |          |          |          |          |          |          |              |           |  |  |  |  |
|       | 127<br>128<br>129               |          |          |          | _        |          |          |          |              |           |  |  |  |  |
|       | 128                             |          |          | _        |          | _        | _        | _        | Щ            | _         |  |  |  |  |
|       | 129                             |          | _        |          | _        | <u> </u> | _        |          |              |           |  |  |  |  |
|       | 130<br>131                      | _        | _        |          |          |          |          |          | Н            | $\dashv$  |  |  |  |  |
|       | 132                             |          |          | -        |          | -        |          | $\vdash$ |              | $\dashv$  |  |  |  |  |
|       | 133                             |          |          |          |          |          |          |          | Н            | $\dashv$  |  |  |  |  |
|       | 133<br>134                      |          |          |          |          |          |          |          |              | ᅦ         |  |  |  |  |
|       | 135                             |          |          |          |          |          |          |          |              |           |  |  |  |  |
|       | 136                             |          |          |          |          |          |          |          |              |           |  |  |  |  |
|       | 137                             | $\dashv$ | _        |          |          |          |          |          |              |           |  |  |  |  |
|       | 138<br>139                      | -        |          |          | _        |          |          |          |              | $\dashv$  |  |  |  |  |
|       | 140                             | -        | $\dashv$ | -        | -        |          |          | _        | $\dashv$     | $\dashv$  |  |  |  |  |
|       | 141                             | $\dashv$ | -        |          |          | Н        |          |          | -            | $\dashv$  |  |  |  |  |
|       | 142                             |          |          |          | _        | $\neg$   |          |          |              | 7         |  |  |  |  |
|       | 143                             |          |          |          |          |          |          |          |              | $\exists$ |  |  |  |  |
|       | 144                             | $\Box$   |          |          |          |          |          |          |              |           |  |  |  |  |
|       | 145                             | _ [      | _        | [        |          |          |          |          |              | $\Box$    |  |  |  |  |
|       | 146                             | _        | _        | _        |          |          |          |          | _            |           |  |  |  |  |
|       | 147<br>148                      | $\dashv$ |          |          |          | _        |          |          | -            | _         |  |  |  |  |
|       | 148                             |          | $\dashv$ | $\dashv$ | -        | $\dashv$ | _        |          | -            | $\dashv$  |  |  |  |  |
|       | 150                             | +        | $\dashv$ | -        |          | $\dashv$ |          | $\dashv$ | $\dashv$     | $\dashv$  |  |  |  |  |
|       | 130                             |          |          | 1        |          |          |          | 1        |              |           |  |  |  |  |